

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Sherry Leonard *et al.*  
Serial No.: 08/956,518  
Filed: 08/23/97  
Entitled: ALPHA-7 NICOTINIC RECEPTOR

Group No.: 1645  
Examiner: R. Hayes

AMENDMENT TRANSMITTAL

Assistant Commissioner for Patents  
Washington, D.C. 20231

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)(1)(i)(A)	
I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below, being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.	
Dated: <u>January 4, 1999</u>	By: <u>Marlene Garitano</u> Marlene Garitano

Sir:

Transmitted herewith is an amendment for this application. The fee has been calculated as shown below.

	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE	ADDITIONAL FEE
Total Claims	25	—	25	0	×	18.00	\$0.00
Independent Claims	4	—	4	0	×	78.00	\$0.00

Three Month Extension of Time \$870.00  
**TOTAL DUE \$870.00**

1. A check in the amount of **\$870.00** is attached.
2. Please charge any additional fees, including any fees necessary for extensions of time, or credit overpayment to Deposit Account No. 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.
3. Petition for extension of time. The undersigned attorney of record hereby petitions for an extension of time pursuant to 37 C.F.R. § 1.136, as may be required, to file this response.

Dated: January 4, 1999

By: Kamrin T. MacKnight  
Kamrin T. MacKnight  
Registration No. 38,230

MEDLEN & CARROLL, LLP  
220 Montgomery Street, Suite 2200  
San Francisco, California 94104  
(415) 705-8410



Serial No.: 08/956,518

MC File No.: UTC-03042

By: KTM

In The Matter of the Application Of: SHERRY LEONARD et al.

Date Mailed: 01/04/99

Due Date: 10/04/98

The following has been received in the U.S. Patent and Trademark Office on the date stamped hereon:

<input type="checkbox"/> Design Patent Application _____ Pages	<input type="checkbox"/> Trademark Application	<input type="checkbox"/> Transmittal Letter <input type="checkbox"/> Duplicate
<input type="checkbox"/> Plant Patent Application _____ Pages	<input type="checkbox"/> ITU Trademark Application	<input checked="" type="checkbox"/> Certificate of Mailing
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<input type="checkbox"/> Utility Patent Application _____ Pages	<input type="checkbox"/> Trademark Renewal Application	<input checked="" type="checkbox"/> Check(s): \$ <u>870.00</u>
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Section 8 & 15 Affidavits	<input checked="" type="checkbox"/> Deposit Account Authorization
<input type="checkbox"/> Form PTO-1449 and Copies of _____	<input type="checkbox"/> Specimens _____	<input type="checkbox"/> _____
References Contained Thereon	<input type="checkbox"/> Declaration/Oath/Affidavits	<input type="checkbox"/> _____
<input type="checkbox"/> Form PTO-1533 (Not. of Missing Parts)	<input type="checkbox"/> Drawings: _____ Sheet(s)	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> Certificate Re: Sequence Listing	<input type="checkbox"/> Formal <input type="checkbox"/> Informal	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> Sequence Listing in Paper Copy and on	<input type="checkbox"/> Power of Attorney _____	
Computer Readable Diskette	<input type="checkbox"/> Form PTO-1594/1595	
<input type="checkbox"/> Form PTOL-85B (Issue Fee Transmittal)	<input type="checkbox"/> Assignment	
<input type="checkbox"/> Form PTO-1050 (Cert. of Correction)	<input type="checkbox"/> Small Entity Declaration	
<input type="checkbox"/> Maintenance Fee Transmittal Form	<input checked="" type="checkbox"/> Amendment/Response <u>Preliminary</u>	
<input type="checkbox"/> Reexamination Request	<input checked="" type="checkbox"/> Extension of Time Req.: <u>3</u> Month(s)	
<input type="checkbox"/> PCT Application _____ Pages	<input type="checkbox"/> Notice of Appeal	
<input type="checkbox"/> Chapter II Demand	<input type="checkbox"/> Petition _____	

FOR PTO USE

26490

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SAN FRANCISCO MAIN OFFICE  
SAN FRANCISCO, CALIFORNIA 94104  
907-78-1211

PAY TO THE ORDER OF  
EIGHT HUNDRED SEVENTY AND NO/100

DATE 01/04/99 AMOUNT \$870.00

Commissioner of Patents & Trademarks

TWO SIGNATURES REQUIRED FOR AMOUNTS OVER \$500.00

*Ronald Nelson*

⑈026490⑈ ⑆121100782⑆ 042005603⑈

**MEDLEN & CARROLL, LLP**

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01/04/99

Commissioner of Patents & Trademarks

\$870.00

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INVOICE # 10559

Response w/Three Month Extension



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Sherry Leonard *et al.*

Serial No.: 08/956,518

Group No.: 1645

10/23/97

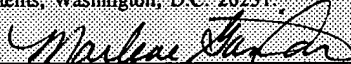
Examiner: R. Hayes

Entitled: ALPHA-7 NICOTINIC RECEPTOR



RESPONSE TO NOTICE TO COMPLY WITH  
REQUIREMENTS FOR PATENT APPLICATIONS  
CONTAINING NUCLEOTIDE SEQUENCE

Assistant Commissioner for Patents  
Washington, D.C. 20231

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Dated: Jan. 4, 1999	By:  Marlene Garitano

Sir:

Please amend the above-referenced application as follows:

IN THE SPECIFICATION:

On page 62, line 20, please delete "sense" and insert --antisense--.

On page 62, line 21, please delete "antisense" and insert --sense--.

On page 62, line 21, after "SEQ ID NO:7" please insert --or SEQ ID NO:48--.

On page 74, line 28, after "SEQ ID NO:7" please insert --or SEQ ID NO:48--.

Please insert new pages 89-122 (attached hereto), which contain the Sequence Listing in this patent application.

**IN THE CLAIMS:**

Please renumber pages "89-92" to pages --123-125-- . This change in page numbers is caused by the insertion of the Sequence Listing.

**IN THE ABSTRACT:**

Please renumber page "93" to page --126--. This change in page number is caused by the insertion of the Sequence Listing.


**R E M A R K S**

The amendments to the specification are provided to introduce Sequence Identification Numbers as requested by the Examiner. These amendments find support in the application and Figures and do not introduce new matter.

**CONCLUSION**

For the reasons set forth above, it is respectfully submitted that Applicants' claims should be passed to allowance. Should the Examiner believe that a telephone interview would aid in the prosecution of this application, Applicants encourage the Examiner to call the undersigned collect.

Dated: 4 January 1999

  
Kamrin T. MacKnight  
Registration No. 38,230

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# DISKETTE ENCLOSED

**MEDLEN &  
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LLP

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Applicant: Sherry Leonard *et al.*  
Title: **ALPHA-7 NICOTINIC RECEPTOR**  
Application No.: 08/956,518 Filed: 10/23/97  
Computer Readable Form:  
Medium Type: 3.5" 1.44 Mb Floppy Disk  
Computer: IBM PC Compatible  
Operating System: PC-DOS/MS-DOS  
Software: PatentIn Ver. 2.0 Date Data Recorded: 01/04/99